INTERNATIONAL SEARCH REPORT

Internamal Application No PCT/US 03/08746

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A23B7/157 A23B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{tabular}{ll} Minimum documentation searched (classification system followed by classification symbols) \\ IPC 7 & A23B & A23L \\ \end{tabular}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, FSTA

C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Х	US 6 358 555 B1 (TAKAHASHI HIDEYUKI) 19 March 2002 (2002-03-19)	1-17,29			
Υ	cited in the application column 3, line 20 -column 4, line 24; claims; examples	19–28			
X	US 4 814 193 A (CLAUSI ADOLPH ET AL) 21 March 1989 (1989-03-21) column 2, line 25 -column 5, line 17; claims	1,2,7, 13,29			
X	US 5 389 389 A (BECK RODERICK G) 14 February 1995 (1995-02-14) column 8, line 54-56; claims	1,13,18, 29			
Y	US 5 871 794 A (BRITO JORGE ISSAC) 16 February 1999 (1999-02-16) the whole document	19–28			

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 1 December 2003	Date of mailing of the international search report 10/12/2003
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Boddaert, P

INTERNATIONAL SEARCH REPORT

Intermenal Application No PCT/US 03/08746

		PC1703 03/08/46
	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT	Ind
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	US 5 595 775 A (TISHEL MOSHE) 21 January 1997 (1997-01-21) cited in the application the whole document	1-29
A	US 2 641 548 A (HEINRICH HELEN W) 9 June 1953 (1953-06-09) the whole document	1-29
A	US 5 939 117 A (CHEN CHAO ET AL) 17 August 1999 (1999-08-17) claims	1-29
A	US 3 398 001 A (BENSON ERNEST J) 20 August 1968 (1968-08-20)	
		÷
1		

INTERNATIONAL SEARCH REPORT

Intermenal Application No PCT/US 03/08746

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6358555	B1	19-03-2002	NONE			
US 4814193	Α	21-03-1989	CA	1328187	С	05-04-1994
US 5389389	A	14-02-1995	US	5126153	A	30-06-1992
US 5871794	Α	16-02-1999	NONE			
US 5595775	Α	21-01-1997	IL EP JP ZA	111234 0706762 8308487 9508566	A2 A	20-06-1999 17-04-1996 26-11-1996 06-02-1997
US 2641548	Α	09-06-1953	NONE			
US 5939117	A	17-08-1999	AU AU BR CA CN EP HK HU JP NZ WO	739039 8778298 9812271 2301306 1084153 1011342 1029899 0002850 2001513329 502686 9907230	A A1 T A1 A2 T A	04-10-2001 01-03-1999 18-07-2000 18-02-1999 08-05-2002 28-06-2000 22-11-2002 28-02-2001 04-09-2001 28-06-2002 18-02-1999
US 3398001	A	20-08-1968	NONE		 -	